

ABSTRACT

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Title of Thesis: Synthetic studies of 3,5-disubstituted gamma-lactams

The aim of my thesis was to synthesize lactam analogues of hydrolytically and enzymatically unstable 3,5-disubstituted five-membered lactone rings possessing an antifungal effect. I have tried to develop the preparation of 5-(acyloxymethyl)-3-(4-methoxyphenyl)-1*H*-2,5-dihydropyrrol-2-one, however, even application of two reaction pathways did not (for now) successfully lead to the desired five-membered lactam ring.

